(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 18 October 2001 (18.10.2001)

PCT

(10) International Publication Number WO 01/77389 A2

(51) International Patent Classification7:

_ _

(21) International Application Number: PCT/US01/11128

(22) International Filing Date: 4 April 2001 (04.04.2001)

(25) Filing Language:

English

C12Q 1/68

(26) Publication Language:

English

(30) Priority Data: 60/195,106

5 April 2000 (05.04.2000) US

- (71) Applicant (for all designated States except US): INCYTE GENOMICS, INC. [US/US]; 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SHIFFMAN, Dov [US/US]; 557 Hilbar Lane, Palo Alto, CA 94303 (US). SOMOGYI, Roland [CA/US]; 1090 Cliffside La, RRIPO Sydenham, Ontario KOH 2TO (CA). LAWN, Richard [US/US]; 1927 8th Avenue, San Francisco, CA 94116 (US). SEILHAMER, Jeffrey, J. [US/US]; 12555 La Cresta, Los Altos Hills, CA 94022 (US). PORTER, Gordon, J. [US/US]; 7261 Dumas Place, Newark, CA 94560

(US). MIKITA, Thomas [US/US]; 1672 Dolores Street, #7, San Francisco, CA 94110 (US). TAI, Julie [US/US]; 10375 Burne Avenue, Cupertino, CA 95014 (US).

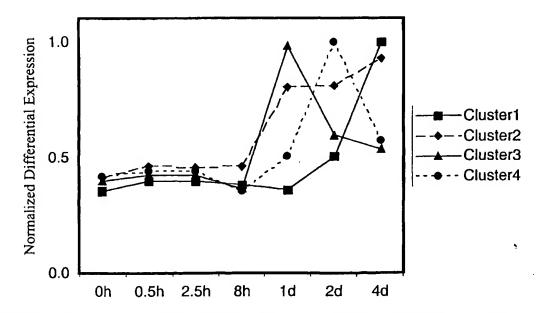
- (74) Agents: TURNER, Christopher et al.; Incyte Genomics, Inc., 3160 Porter Drive, Palo Alto, CA 94304 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: GENES EXPRESSED IN FOAM CELL DIFFERENTIATION



(57) Abstract: The present invention relates to purified polynucleotides and compositions comprising pluralities of polynucleotides that are differentially expressed during foam cell development and are associated with atherosclerosis. The present invention presents the use of the compositions as elements on a substrate, and provides methods for using the compositions and polynucleotides.

11/77389 A2